Belden



Product: 6509UE

Security & Sound, #22-12c, BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 12-22 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	12	22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.217 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
17.41 Ohm/1000ft	27.5 pF/ft (90.2 pF/m)	1.4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
2.17 in (55.1 mm)	2.17 in

Max. Pull Tension:	109 lbs (49.4 kg)
Bulk Cable Weight:	39 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor

Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5509UE

History

Update and Revision:	Revision Number: 0.304 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
6509UE 8771000	Natural	612825178057	C
6509UE 877U1000	Natural	612825178040	

Footnote:	C - CRATE REEL PUT-UP.

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